Roll No. ....   **Total Pages : 02**

BCA/M-20   **1902**
INTERNET TECHNOLOGIES
BCA-364

Time : Three Hours]   [Maximum Marks : 80

Note : Q. No. **1** is compulsory. Attempt *Four* more questions by selecting *one* question from each Section. All questions carry equal marks.

1. Compulsory question :

(a) Differentiate between Internet and Intranet   **4**

(b) Explain Domain Name Space with examples.   **4**

(c) Explain various protocols used for remote login. **4**

(d) What do you mean by Firewall ?   **4**

Section I

2. What do you mean by Web Browser ? Explain its purpose and types in detail with examples.   **16**

3. Differentiate between TCP/IP and OSI Model in details.
                                                     16

Section II

4. What do you mean by IP address ? What are advantages of IPv6 over IPv4 ? Discuss various features of IPv6. **16**

5. What is DNS ? How Domain Name is mapped to addresses ? Explain recursive and iterative name resolution techniques. **16**

Section III

6. What is e-Mail ? Explain various protocols and services of e-Mail. **16**

7. What is Real Time Transport Protocol ? Explain its packet format. Also explain three functions of RTCP protocol. **16**

Section IV

8. Explain the concept of Network Address Translation and Virtual Private Network in detail. **16**

9. What do you mean by Internet Security ? Explain various Internet security measures in detail. **16**